

AMENDMENTS TO THE CLAIMS

Listing of the Claims

1. (Currently amended) [A] One or more processor-accessible storage media comprising processor-executable instructions that, when executed, direct a device to provide a programming interface [embodied on one or more computer readable media,] having multiple groups of types, the programming interface comprising: a first group of types related to core file system concepts; a second group of types related to entities that a human being can contact; a third group of types related to documents; a fourth group of types common to multiple kinds of media; a fifth group of types specific to audio media; a sixth group of types specific to video media; a seventh group of types specific to image media; an eighth group of types specific to electronic mail messages; and a ninth group of types related to identifying particular locations, wherein the programming interface provides callable multiple functions, wherein each one of the multiple groups of types provides a corresponding set of related ones of the multiple functions.

2. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to moving data between file systems.

3. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to creating and managing rules for generating notifications.

4. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types describing types defined in all the other groups of types.

5. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to base types that form a foundation to support all the other groups of types.

6. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types common to multiple kinds of messages, including the electronic mail messages; and an eleventh group of types specific to facsimile messages.

7. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to annotations; and an eleventh group of types related to notes;

8. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to installed programs; and an eleventh group of types related to installed games.

9. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to actions taken by a user; and an eleventh group of types related to maintaining and accessing help information.

10. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to a natural language search engine.

11. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to tasks in a user interface to let a user know what actions the user can perform when navigating the user interface.

12. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to user tasks.

13. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to services that can be accessed.

14. (Original) A programming interface as recited in claim 13, wherein the services can be accessed over a network.

15. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to identifying access rights.

16. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to calendar types.

17. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to creating and managing event monitoring and resultant actions.

18. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types used for interop for each of the first through ninth groups of types.

19. (Original) A programming interface as recited in claim 1, further comprising: an additional group of types for each of the first through ninth groups of bytes, wherein each of the additional groups of types are for interop.

20. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to files stored in a file system.

21. (Original) A programming interface as recited in claim 1, further comprising: a tenth group of types related to a category hierarchy.

22. (Original) A system comprising: means for exposing a first set of functions that represent core concepts of a file system of the system; means for exposing a second set of functions that enable maintaining information regarding entities that can be contacted; and means for exposing a third set of functions that allow document types to be accessed.

23. (Original) A system as recited in claim 22, further comprising means for exposing a fourth set of functions related to base types for a plurality of kinds of media; means for exposing a fifth set of functions related specifically to audio media; and means for exposing a sixth set of functions related specifically to video media.

24. (Original) A system as recited in claim 23, further comprising: means for exposing a seventh set of functions related specifically to image media.

25. (Original) A system as recited in claim 22, further comprising means for exposing a fourth set of functions related specifically to electronic mail messages.

26. (Original) A system as recited in claim 22, further comprising means for exposing a fourth set of functions that enable maintaining physical location information.

27. (Currently amended) A method of organizing a set of types for a file system into a hierarchical namespace, the file system being one of multiple groups of types included in a programming interface, the method comprising: creating a plurality of groups from the set of types, each group containing at least one type that exposes logically related functionality of the programming interface; assigning a name to each group in the plurality, wherein one of the groups in the plurality includes functionality related to core concepts of the file system, wherein another of the groups in the plurality includes functionality related to entities that a human being can contact, wherein another of the groups in the plurality includes functionality related to document types that can be stored in the file system, and wherein another of the groups in the plurality includes functionality related to multiple kinds of media; and selecting a top level identifier and prefixing the name of each group with the top level identifier so that the types in each group are referenced by a hierarchical name that includes the selected top level identifier prefixed to the name of the group containing the type.

28. (Original) A method as recited in claim 27, wherein another of the groups in the plurality includes functionality particularly for audio media, wherein another of the

groups in the plurality includes functionality particularly for video media, and wherein another of the groups in the plurality includes functionality particularly for image media.

29. (Original) A method as recited in claim 27, wherein another of the groups in the plurality includes functionality related to electronic mail.

30. (Original) A method as recited in claim 27, wherein another of the groups in the plurality includes functionality related to maintaining physical location information.

31. (Original) A method as recited in claim 27, wherein the assigning comprises: assigning a name of Core to the group that includes functionality related to core concepts of the file system so that the hierarchical name for the group that includes functionality related to core concepts of the file system is System.Storage.Core; assigning a name of Contacts to the group that includes functionality related to entities that a human being can contact so that the hierarchical name for the group that includes functionality related to entities that a human being can contact is System.Storage.Contacts; assigning a name of Documents to the group that includes functionality related to document types that can be stored in the file system so that the hierarchical name for the group that includes functionality related to document types that can be stored in the file system is System.Storage.Documents; and assigning a name of Media to the group that includes functionality related to multiple kinds of media

so that the hierarchical name for the group that includes functionality related to multiple kinds of media is System.Storage.Media.

32. (Original) A method as recited in claim 27, wherein the assigning comprises: assigning a name of Core to the group that includes functionality related to core concepts of the file system so that the hierarchical name for the group that includes functionality related to core concepts of the file system is System.Storage.Core; assigning a name of Contact to the group that includes functionality related to entities that a human being can contact so that the hierarchical name for the group that includes functionality related to entities that a human being can contact is System.Storage.Contact; assigning a name of Document to the group that includes functionality related to document types that can be stored in the file system so that the hierarchical name for the group that includes functionality related to document types that can be stored in the file system is System.Storage.Document; and assigning a name of Media to the group that includes functionality related to multiple kinds of media so that the hierarchical name for the group that includes functionality related to multiple kinds of media is System.Storage.Media.

33. (Currently amended) A method for organizing a file system, the method comprising: creating a first namespace with functions that enable identification of particular physical locations; and creating a second namespace with functions that enable identification of entities that can be contacted by a human being, wherein the

first namespace and the second namespace are included in the file system, the file system being included in a programming interface.

34. (Original) A method as recited in claim 33, further comprising: creating a third namespace with functions that enable documents to be described.

35. (Original) A method as recited in claim 33, further comprising: creating a third namespace with functions specific to electronic mail messages.

36. (Original) A method as recited in claim 33, further comprising: creating a third namespace with functions common to multiple kinds of media; creating a fourth namespace with functions specific to audio media; creating a fifth namespace with functions specific to video media; and creating a sixth namespace with functions specific to image media.

37. (Original) A method as recited in claim 33, further comprising: creating a third namespace with functions that are expected to be used by all other namespaces.

38. (Currently amended) One or more computer readable media having stored thereon a plurality of instructions that, when executed by a processor, cause the processor to: create a first namespace with functions that enable identification of particular physical locations; and create a second namespace with functions that are

expected to be used by the first namespace and a plurality of additional namespaces, wherein the first namespace, the second namespace, and the plurality of additional namespaces are defined to organize a file system, the file system being included in a programming interface.

39. (Original) One or more computer readable media as recited in claim 38, wherein the instructions further cause the processor to: create a third namespace with functions that enable documents to be described; create a fourth namespace with functions that enable identification of entities that can be contacted by a human being; and create a fifth namespace with functions common to multiple kinds of media.

40. (Original) One or more computer readable media as recited in claim 39, wherein the instructions further cause the processor to: create a sixth namespace with functions specific to audio media; create a seventh namespace with functions specific to video media; and create an eighth namespace with functions specific to image media.

41. (Original) One or more computer readable media as recited in claim 38, wherein the instructions further cause the processor to: create a third namespace with functions common to multiple kinds of media; create a fourth namespace with functions specific to audio media; create a fifth namespace with functions specific to video media; and create a sixth namespace with functions specific to image media.

42. (Currently amended) A method comprising: calling one or more first functions that enable documents to be described; and calling one or more second functions that are core functions expected to be used by the one or more first functions as well as a plurality of additional functions, wherein the one or more first functions, the one or more second functions, and the plurality of additional functions are defined to organize a file system, the file system being included in a programming interface.

43. (Original) A method as recited in claim 42, further comprising: calling one or more third functions common to multiple kinds of media.

44. (Original) A method as recited in claim 43, further comprising: calling one or more fourth functions specific to audio media; calling one or more fifth functions specific to video media; and calling one or more sixth functions specific to image media.

45. (Original) A method as recited in claim 42, further comprising: calling one or more third functions that enable identification of entities that can be contacted by a human being; and calling one or more fourth functions that enable identification of particular physical locations.

46. (Original) A method as recited in claim 42, further comprising: calling one or more third functions specific to electronic mail messages.

47. (Currently amended) A method, comprising: receiving one or more calls to one or more first functions that enable identification of entities that can be contacted by a human being; and receiving one or more calls to one or more second functions that are core functions expected to be used by the one or more first functions as well as a plurality of additional functions, wherein the one or more first functions, the one or more second functions, and the plurality of additional functions are defined to organize a file system, the file system being included in a programming interface.

48. (Original) A method as recited in claim 47, further comprising: receiving one or more calls to one or more third functions that enable documents to be described; receiving one or more calls to one or more fourth functions common to multiple kinds of media; and receiving one or more calls to one or more fifth functions that enable identification of particular physical locations.

49. (Original) A method as recited in claim 48, further comprising: receiving one or more calls to one or more sixth functions specific to audio media; receiving one or more calls to one or more seventh functions specific to video media; and receiving one or more calls to one or more eighth functions specific to image media. receiving one or more calls to one or more ninth functions specific to electronic mail messages.

50. (Currently amended) One or more computer readable media having stored thereon a plurality of instructions that, when executed by a processor, cause the

processor to: receive one or more calls to one or more first functions that enable identification of entities that can be contacted by a human being; and receive one or more calls to one or more second functions common to multiple kinds of media, wherein the one or more first functions and the one or more second functions are defined to organize a file system, the file system being included in a programming interface.

51. (Original) One or more computer readable media as recited in claim 50, wherein the instructions further cause the processor to: receive one or more calls to one or more third functions that are core functions expected to be used by the one or more first functions, the one or more second functions, and a plurality of additional functions.

52. (Original) One or more computer readable media as recited in claim 50, wherein the instructions further cause the processor to: receive one or more calls to one or more third functions that enable identification of particular physical locations; receive one or more calls to one or more fourth functions that enable documents to be described; and receive one or more calls to one or more fifth functions specific to electronic mail messages.

53. (Original) One or more computer readable media as recited in claim 50, wherein the instructions further cause the processor to: receive one or more calls to one or more third functions specific to audio media; receive one or more calls to one or more

fourth functions specific to video media; and receive one or more calls to one or more
fifth functions specific to image media.